

INTERNATIONAL SEARCH REPORT

International Application No
PCT/BR2004/000237

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12P7/62 C08G63/89 C08G63/90
/(C12P7/62,C12R1:05)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12P C08G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>NONATO R V ET AL: "Integrated production of biodegradable plastic, sugar and ethanol."</p> <p>APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol. 57, no. 1-2, October 2001 (2001-10), pages 1-5, XP002326949</p> <p>the whole document</p> <p>page 2, right-hand column, lines 35-59</p> <p>table 1</p> <p>page 3, right-hand column, lines 10-37</p> <p style="text-align: center;">----- -/-</p>	1-40,44

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

3 May 2005

Date of mailing of the international search report

23/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

van de Kamp, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ROSSELL C E V ET AL: "Production of biodegradable plastic (PHB), sugar and ethanol in a sugar mill"</p> <p>INTERNATIONAL SUGAR JOURNAL, vol. 104, no. 1243, 2002, pages 321-323, XP008046491</p> <p>the whole document</p> <p>page 321, middle column, lines 1-35</p>	1-8, 39, 44
A	<p>DATABASE CA 'Online!</p> <p>CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 1995,</p> <p>DERENZO S ET AL: "Extraction of biopolymers from cellular materials."</p> <p>XP002326951</p> <p>retrieved from STN</p> <p>Database accession no. 123:81739</p> <p>abstract</p>	
A	<p>-& BR 9 302 312 A (COOPERATIVA DE PRODUTORES DE CANA, ACUCAR E ALCOOL DO ESTADO DE SAO PA)</p> <p>7 February 1995 (1995-02-07)</p> <p>abstract</p>	
A	<p>WO 01/68890 A (MONSANTO TECHNOLOGY LLC; KURDIKAR, DEVDATT, L; PASTER, MARK, D; ZHANG,) 20 September 2001 (2001-09-20)</p> <p>page 2, line 13 - page 3, line 4</p> <p>page 5, line 15 - page 6, line 20</p>	
A	<p>WO 98/46782 A (MONSANTO COMPANY)</p> <p>22 October 1998 (1998-10-22)</p> <p>page 2, line 1 - page 4, line 20</p> <p>page 9, lines 13-21</p> <p>tables 1,2</p> <p>examples 13,14</p>	
A	<p>WO 98/46783 A (MONSANTO COMPANY)</p> <p>22 October 1998 (1998-10-22)</p> <p>cited in the application</p> <p>page 2, line 1 - page 3, line 18</p>	
A	<p>WO 98/07879 A (BUNA SOW LEUNA OLEFINVERBUND GMBH)</p> <p>26 February 1998 (1998-02-26)</p> <p>page 3, line 11 - page 5, line 11</p>	
A	<p>WO 97/07229 A (THE PROCTER & GAMBLE COMPANY) 27 February 1997 (1997-02-27)</p> <p>page 3, lines 5-14</p>	
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A	WO 95/33065 A (THE PROCTER & GAMBLE COMPANY) 7 December 1995 (1995-12-07) page 2, lines 23-29 -----	
A	KONING DE G J M ET AL: "Process for the recovery of poly(hydroxyalkanoates) from Pseudomonads. Part 2: Process development and economic evaluation" BIOPROCESS ENGINEERING, vol. 17, 1997, pages 15-21, XP002900486 ISSN: 0178-515X abstract table 4 -----	

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Information on patent family members

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